

APPLICATION
FOR
UNITED STATES LETTERS PATENT

TITLE: **UNAUTHORIZED ACCESS AVOIDING METHOD IN INTELLIGENT INTERCONNECTING DEVICE, UNAUTHORIZED ACCESS AVOIDING PROGRAM FOR INTELLIGENT INTERCONNECTING DEVICE, RECORDING MEDIUM IN WHICH UNAUTHORIZED ACCESS AVOIDING PROGRAM FOR INTELLIGENT INTERCONNECTING DEVICE IS RECORDED, INTELLIGENT INTERCONNECTING DEVICE, AND LAN SYSTEM**

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PATENT TRADEMARK OFFICE

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UNAUTHORIZED ACCESS AVOIDING METHOD IN
INTELLIGENT INTERCONNECTING DEVICE, UNAUTHORIZED
ACCESS AVOIDING PROGRAM FOR INTELLIGENT
INTERCONNECTING DEVICE, RECORDING MEDIUM IN WHICH
5 UNAUTHORIZED ACCESS AVOIDING PROGRAM FOR
INTELLIGENT INTERCONNECTING DEVICE IS RECORDED,
INTELLIGENT INTERCONNECTING DEVICE, AND LAN SYSTEM

BACKGROUND OF THE INVENTION

10 Field of the Invention

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[0001] The present invention relates to a
interconnecting device having a packet repeating
function and the like in what is called a LAN (Local
Area Network) system, and more particularly to an
15 unauthorized access avoiding method, an
unauthorized access avoiding program, a recording
medium in which an unauthorized access avoiding
program is recorded, an intelligent
interconnecting device, and a LAN system which
20 realize security improvement and so on in what is
known as an intelligent interconnecting device
whose operation is controllable from outside.

Description of the Related Art

[0002] What is known as a packet interconnecting
25 device which is represented by what is called a hub

and a router is an apparatus indispensable for
 configuring a LAN system and various kinds of
 packet interconnecting devices having various
 functions in addition to basic functions have been
 5 proposed according to forms and so on of LAN systems
 (for example, refer to Japanese Patent Laid-open
 No. Hei 5-327720). In some of these
 interconnecting devices, what is known as
 management functions such as monitoring
 10 operational status and setting operation
 conditions of the interconnecting devices
 particularly through communication with external
 computers are provided and these interconnecting
 devices are generally called intelligent
 15 interconnecting devices.

In a conventional LAN system to which this
 intelligent interconnecting device is applied to
 configure the LAN system, an IP address is given
 to the intelligent interconnecting device and what
 20 is called TCP/IP communication processing is
 performed for processing communication between a
 managing computer and the intelligent
 interconnecting device so that setting, changing,
 and the like of various operation conditions and
 25 so on of the intelligent interconnecting device are